Sealed quotations are invited for the supply of the materials specified in the **Schedule and Technical Specification** attached below/overleaf. The rates quoted should be for delivery of the articles at the place mentioned below the schedule. The necessary superscription, due date for the receipt of quotations, the date up to which the rates will have to remain firm for acceptance and the name and address of officer to whom the quotation is to be sent are noted above. Any quotation received after the time fixed on the due date is liable to be rejected. The maximum period required for delivery of the articles should also be mentioned. Quotations not stipulating period of firmness and with price variation clause and/or ‘subject to prior sale’ condition are liable to be rejected.

The acceptance of the quotations will be subject to the following conditions:

1. Acceptance of the quotation constitutes a concluded contract. Nevertheless, the successful tenderer must within a fortnight/a month after the acceptance of his quotation furnish **5 per cent of the amount of the contracts security deposit and execute an agreement** at his own cost for the satisfactory fulfillment of the contract, if so required.

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**FORM OF QUOTATION NOTICE**

<table>
<thead>
<tr>
<th>Quotation Number</th>
<th>QTN NO:4/EE/2020-21 Dated 15/07/2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of issue of quotations</td>
<td>15/07/2020</td>
</tr>
<tr>
<td>Due date and time for receipt of quotations</td>
<td>06/08/2020 3.00 PM</td>
</tr>
<tr>
<td>Date and time for opening of quotations</td>
<td>07/08/2020 2.00 PM</td>
</tr>
<tr>
<td>Date up to which the rates are to remain firm for acceptance</td>
<td>60 days</td>
</tr>
<tr>
<td>Designation and address of officer to whom the quotation is to be addressed</td>
<td>Executive Engineer, Hydrology Division, Irrigation Complex, Chembukkavu, Thrissur -20, Kerala.</td>
</tr>
</tbody>
</table>

Superscription: Quotation for **Procurement of Bridge outfit to Kannavam Rivergage station 2019-20**
2. Withdrawal from the quotation after it is accepted or failure to supply within a specified time or according to specifications will entail cancellation of the order and purchases being made at the offerers expenses from elsewhere, any loss incurred thereby being payable by the defaulting party. In such an event the Government reserves also the right to remove the defaulter’s name from the list of Government suppliers permanently or for a specified number of years.

3. Samples, duly listed, should be forwarded if called for under separate cover and the unapproved samples got back as early as possible by the offerers at their own expenses and the Government will in no case be liable for any expenses on account of the value of the samples or their transport charges, 207 etc. In case, the samples are sent by railway; the railway receipt should be sent separately, and not along with the quotation since the quotation will be opened only on the appointed day and demurrage will have to be paid if the railway parcels are not cleared in time. Quotations for the supply of materials are liable to be rejected unless samples, if called for of the materials tendered for are forwarded. The approved samples may or may not be returned at the discretion of the undersigned. Samples sent by V.P. Post or “freight to pay” will not be accepted.

4. No representation for enhancement of price once accepted will be considered during the currency of the contract.

5. Any attempt on the part of tenderers or their agents to influence the Officers concerned in their favour by personal canvassing will disqualify the tenderers.

6. If any license or permit is required, tenderers must specify in their quotation and also state the authority to whom application is to be made.

7. The quotation may be for the entire or part supplies. But the tenderers should be prepared to carry out such portion of the supplies included in their quotation as may be allotted to them.

8. (a) In cases where a successful tenderer, after having made partial supplies fails to fulfill the contracts in full, all or any of the materials not supplied may, at the discretion of the Purchasing Officer be purchased by means of another tender/quotation or by negotiation or from the next higher tenderer who had offered to supply already and the loss, if any, caused to the Government shall thereby together with such sums as may be fixed by the Government Purchaser

Supplier
towards damages be recovered from the defaulting tenderer. (b) Even in cases where no alternate purchases are arranged for the materials not supplied, the proportionate portion of the security deposit based on the cost of the materials not supplied at the rate shown in the tender of the defaulter shall be forfeited and balance alone shall be refunded. (c) Any sum of money due and payable to the contractor (including Security Deposit returnable to him) under this contract may be appropriated by the Purchasing Officer or Government or any other person authorized by Government and set-off against any claim of the Purchasing Officer or Government for the payment of a sum of money arising out of or under any other contract made by the contractor with the Purchasing Officer or Government or any other person authorized by Government.

9. The prices quoted should be inclusive of all taxes, duties, cesses, etc., which are or may become payable by the contractor under existing or future laws or rules of the country of origin/supply or delivery during the course of execution of the contract.

10. (a) Ordinarily payments will be made only after the supplies are actually verified and taken to stock but in exceptional cases, payments against satisfactory shipping documents including certificates of Insurance will be made up to 90 per cent of the value of the materials at the discretion of Government. Bank charges incurred in connection with payment against documents through bank will be to the account of the contractor. The firms will produce stamped pre-receipted invoices in all cases where payments (advance/final) for release of railway receipts/shipping documents are made through Banks. In exceptional cases where the stamped receipts of the firms are not received for the payments (in advance) the unstamped receipt of the Bank (i.e. counterfoils of pay-in-slips issued by the Bank) alone may be accepted as a valid poor for the payment made. (b) The tenderers shall quote also the percentage of rebate (discount) offered by them in case the payment is made promptly within fifteen days/within one month of taking delivery of stores.

11. Any sum of money due and payable to the successful tenderer or contractor from Government shall be adjusted against any sum of money due to Government from him under any other contracts.
12. Special conditions, if any, printed on the quotation sheets of the tenderer or attached with the tender will not be applicable to the contract unless they are expressly accepted in writing by the purchases.

Place: Thrissur

Date: 15/07/2020

[Signature]

Executive Engineer,
(For and on behalf of Governor of Kerala)
Hydrology Division, Irrigation Complex,
Chembukkavu, Thrissur -20,
Email ID: hydrodntsr@yahoo.co.in

Ph No. 0487 2332552
# Schedule and Technical Specification

## SCHEDULE OF REQUIREMENT

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Specifications</th>
<th>Quantity</th>
<th>Unit</th>
<th>Rate without GST (Rs. P.)</th>
<th>Rate without GST (Amt. In Words)</th>
<th>GST (Rs. P.)</th>
<th>Total without GST (Rs. P.)</th>
<th>Total with GST (Rs. P.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Supply and Installation of Bridge outfit with accessories as per technical specifications attached below</td>
<td>1</td>
<td>No.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Period within which goods should be delivered: 45 days

Warranty:- 3 years from the date of commissioning

Rates should be quoted for delivery of equipments as per schedule of requirement at office of Assistant Engineer, Hydrology Section Thalassery, Kuthuparamba, Kuthuparamba (P.O), Pin-670643. Payment will be made after supply, Installation and commissioning of the equipment.

Sd/-
Executive Engineer,
Hydrology Division, Irrigation Complex,
Chembukkavu, Thrissur -20
**Technical Specification**

**Purpose**

The bridge outfit is to suspend current meters and samplers from a bridge into a river or canal.

**Conditions & Requirements**

- The bridge outfit shall be of such a design that it operates reliably and safely under the prevailing environmental conditions.
- The bridge outfit shall be easy to operate and maintain.
- The bridge outfit shall be supplied with the accessories as needed for effective deployment.
- All materials on the bridge outfit exterior shall be non-corrosive.
- One coat metal primer (red oxide primer) and two coat apcolite metal paint to be provided.
- The bridge outfit shall have an expected technical lifetime of not less than 10 years.
- The equipment shall consist of a crane and a winch arrangement.
- The current meter shall be lowered by a hand driven winch.
- The bridge outfit shall be provided with a clamping facility to hold the cable at any desired position.
- While hoisting the current meter the cable shall be wound gradually guided from the one drum end to the other and vice versa, to lay the windings tidily next to each other.
- The winch system shall have a re-settable depth counter.
- The winch and its attachments such as crank, brake, ratchet /catch shall be assembled in a compact unit.
- This assembly shall be mounted on a moving crane.
- The roller coasters shall be with locking system.
- The crane trolley shall have 4 wheels with solid rubber tyres for easy movement.
- Metal wheel/ hard plastic wheel with metal bearing which should carry the load.
- During operation of the current meter, the crane trolley shall stand on pedestals.
- A counter weight for the crane shall be included in the delivery. It should be sufficient to keep the crane from keeling over.
- The cable from which the current meter is suspended shall have an incorporated insulated electrical conductor. The conductor connects the flow sensor revolution sensor switch to the pulse counter. The electrical connection should pass through a slip-ring assembly on the winch.
• The suspension cable shall match the current meter.
• If a propeller type flow meter is used then the suspension cable shall be torque free.
• The crane shall have a wire angle indicator.
• The equipment shall generally comply with IS 6064-1971.

Specifications

<table>
<thead>
<tr>
<th>Material</th>
<th>as per IS 6064-1971</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mass of current meter</td>
<td>up to 100 kg</td>
</tr>
<tr>
<td>Maximum load</td>
<td>2,500 Newtons</td>
</tr>
<tr>
<td>Cable length</td>
<td>max. 50 m</td>
</tr>
<tr>
<td>Cable torque</td>
<td>torque free suspension cable</td>
</tr>
</tbody>
</table>

The suspension cable should not exert any torque that may adversely affect the alignment of the flow sensor into the direction of flow. In particular in case a heavy suspension weight is used, there is a risk of cable induced torque.

Flow velocity max. 5 m/s

For velocities exceeding 5 m/s, specifications may be changed suitably to meet the hydraulic conditions.

Dimensions Boom length to be specified for suspended current meter to clear bridge under carriage projection that may be present. Boom under side to be of sufficient height along with suspended current meter & fish weight, to clear parapet on bridge. Bridge outfit wheel base adequate to move on the foot-paths or berms available on the bridge (At least a range of dimensions based on bridges on which out-fit is planned to be used has to be indicated)

Dimensions of Boom length-1.5 Mts and boom height-1.6 Mts

Training

Training for the use of equipment shall be given by the supplier to Purchaser’s Personnel at the delivery point.

Sd/-
Executive Engineer
Hydrology Division, Thrissur